Visual Aids
California Education and the Environment Initiative



Flowering Plants in Our Changing Environment

California Education and the Environment Initiative

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The Education and the Environment Curriculum is a cooperative endeavor of the following entities:

California Environmental Protection Agency
California Natural Resources Agency
Office of the Secretary of Education
California State Board of Education
California Department of Education
California Integrated Waste Management Board

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Key Partners:

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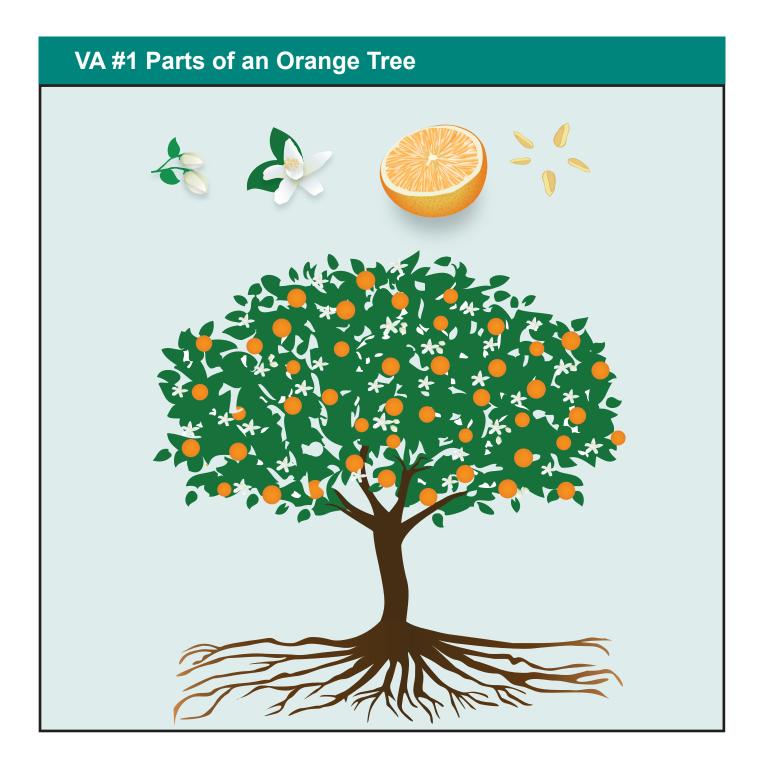
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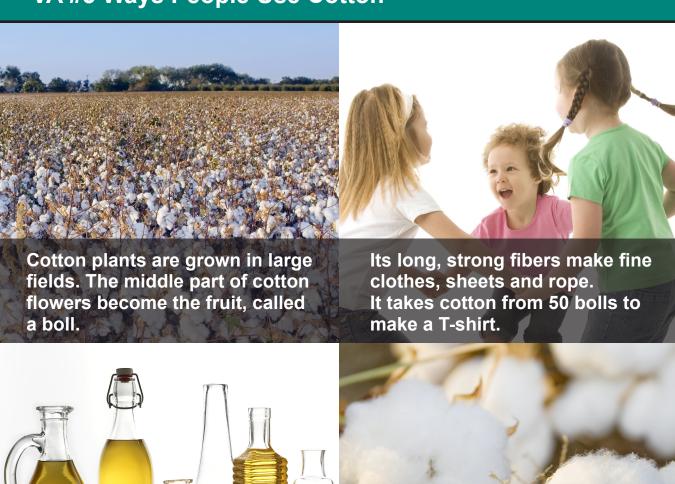


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The oil from its seeds is used for cooking. The dry part of the seed is fed to cattle and other animals.

Cotton bolls hold "hairy" seeds that bear the fibers we use. Cotton seeds grow more cotton plants, too.



VA #5 What Blackberries Need and Where They Get It 1



Blackberries need a lot of water to grow and produce berries with seeds. They also need moist soil.

VA #6 What Blackberries Need and Where They Get It 2





Blackberry plants spread out as they grow so they need lots of space. They grow best where other plants do not crowd them.

VA #7 Not Enough Water



Oaks During a Drought

This is a valley oak tree.

A large oak tree needs hundreds of gallons of water a day.

During a drought, the soil around the oak dries up fast.

To keep from losing water, the tree's leaves wilt and turn brown.

If the leaves fall off too soon, the tree cannot make food.

It gets weaker. It does not grow much.

It does not grow many acorns.

What can happen to oak trees during a long drought?

VA #8 Too Much Water



Cottonwood Trees During a Flood

Cottonwood trees grow near stream banks. Streams flood when too much rain falls or snow melts too fast.

A flood can wash soil away from the roots of trees. Some trees may fall over.

Some trees may die. Floating dead trees can crash into and hurt standing trees.

Water that stays for a few days will hurt the trees. It keeps air away from their roots. Then, small trees may lose their leaves and cannot make food.

What can happen to cottonwood trees during a big flood?

VA #9 When Temperatures Change

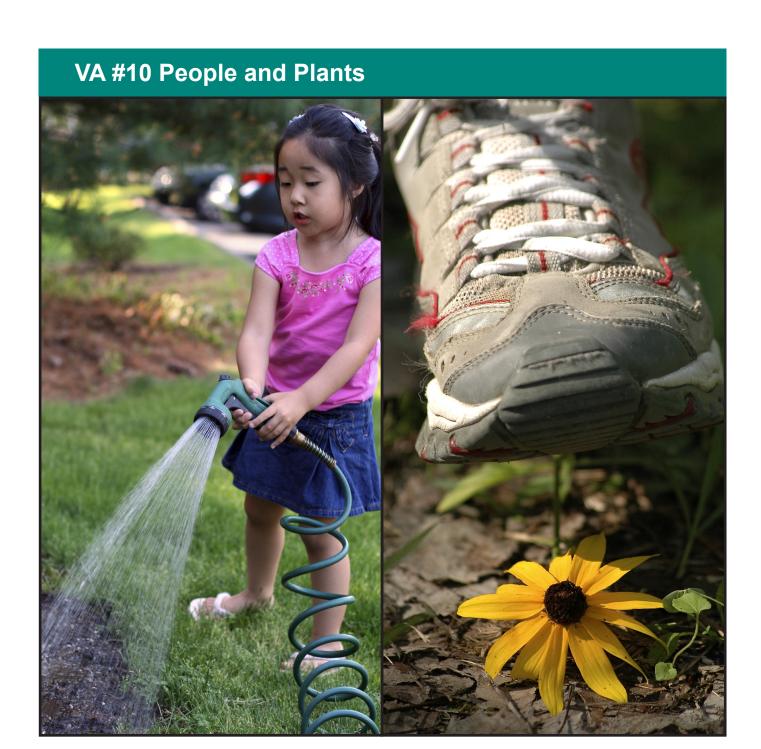


Orange Trees During a Frost

Orange trees can have fruit and flowers at the same time. When it gets very cold and the temperature goes below freezing, frost can form on the oranges on the tree. They are no longer good to eat.

Then, the flowers fall off. The leaves curl up and turn yellow. New shoots turn dark and fall off.

What can happen to young orange trees during a frost?







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